



DEPARTMENT OF THE NAVY

NAVAL AIR SYSTEMS COMMAND
NAVAL AIR SYSTEMS COMMAND HEADQUARTERS
WASHINGTON, DC 20361

IN REPLY REFER TO
NAVAIRINST 4120.8
AIR-51122
3 Oct 84

NAVAIR INSTRUCTION 4120.8

From: Commander, Naval Air Systems Command

Subj: DOD PARTS CONTROL PROGRAM

Ref: (a) NAVMATINST 4120.106A
(b) MIL-STD-965, Parts Control Program

Encl: (1) Sample Contract Requirements
(2) Sample DD Form 1423, Contract Data Requirements List
(3) Nonstandard Part Screening and Approval Cycle

1. Purpose. To implement reference (a), establish policy, procedures, and assign responsibilities for control of nonstandard parts to be used in systems and equipment being acquired by the Naval Air Systems Command (NAVAIR).

2. Scope. This instruction is applicable to the acquisition phases of all new design or modification of NAVAIR systems and equipment, including systems and equipment under the acquisition management of NAVAIR field activities. Parts control is not applicable to unmodified off-the-shelf or nonreparable equipment.

3. Background. A Department of Defense (DoD) task group study revealed that the use of nonstandard parts during design of military equipment was a primary cause of proliferation of the supply inventory, with electrical/electronic parts and common mechanical hardware being the greatest offenders. Resulting from this study, centralized parts screening activities were established to advise DoD elements and contractors of equivalent parts existing in the inventory. These activities, known as military parts control advisory groups (MPCAG's), are located at the Defense Electronic Supply Center (DESC) for electronic/electrical parts; the Defense Industrial Supply Center (DISC) for mechanical parts; the Defense General Supply Center for electrical insulators, lugs, terminals, lamps, etc.; and the Defense Construction Supply Center for gears, pulleys, pipe, tubing, etc. Recent applications of parts control requirements have revealed significant cost avoidances by reducing the need for preparation of drawings and for testing of nonstandard parts, as well as curtailing inventory introduction of unnecessary new parts.

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4. Objectives. The DoD parts control program objectives are to

- a. reduce inventory proliferation of unnecessary parts,
- b. achieve design-to-cost and life cycle cost avoidances without degradation of reliability and maintainability,
- c. promote the use of standard parts in design, and
- d. enhance interservice or intraservice standardization and interchangeability.

5. Policy

a. Program Initiation (Demonstration and Validation). Application of parts control requirements during demonstration and validation should be considered but is not mandatory. However, contractors must be made aware that such requirements will be invoked should the system or equipment progress into full-scale development.

b. Full-scale Development. A tailored parts control program utilizing either procedure I or procedure II of reference (b) will be required on all system and equipment full-scale development contracts being let by NAVAIR.

c. Production. Once a product baseline for production has been established, parts control screening and approval will be applied to all changes requiring the introduction of new or replacement parts.

d. Equipment or Systems Modifications or Product Improvement. Contracts for modification or product improvement of existing equipment or systems must specify parts control requirements.

6. Procedures

a. Procedure I of reference (b) provides the framework for parts control contractual requirements for NAVAIR acquisitions. Enclosures (1) and (2) are sample contract requirements (tailored from reference (b)) with associated DD Form 1423, Contract Data Requirements List, which will be used in major full-scale development acquisition programs. Enclosure (3) delineates the nonstandard part screening and approval cycle associated with procedure I requirements. Procedure II of reference (b) provides the framework for parts control contractual requirements for multiservice acquisitions when NAVAIR is designated as the lead procuring activity. Procedure II should only be used when procedure I cannot provide for multiservice consensus of part type use.

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b. For acquisitions of systems or equipment involving other acquisition phases, e.g., demonstration and validation, production, modification, or product improvement, etc., the cognizant NAVAIR acquisition manager should tailor the contract requirements contained in enclosure (1) to suit the intended application.

c. Naval Air Systems Command Headquarters (NAVAIRHQ), Systems Specification, Standardization, and Data Branch (AIR-5112) will provide guidance and assistance to acquisition managers in tailoring parts control requirements for particular procurements. AIR-5112 will also provide technical assistance to facilitate compliance with DoD policies and direction for implementing the parts control program by reviewing procurement documents prior to solicitation.

d. Acquisition managers under the Assistant Commander for Systems and Engineering (AIR-05) will retain approval authority over all contractor requests for approval of nonstandard parts for systems and equipment under their cognizance. These acquisition managers may also delegate this authority to appropriate field activities. NAVAIR field activities will retain approval authority over all contractor requests for approval of nonstandard parts for equipment under their cognizance.

7. Responsibilities

a. NAVAIRHQ (AIR-5112) is designated as the parts control coordinator and will be responsible for the following:

(1) Developing and coordinating policies and procedures for the parts control program for NAVAIR.

(2) Conducting orientation briefings/presentations for acquisition management personnel to explain the requirements, benefits, practical implementation, and control of the parts control program in NAVAIR.

(3) Providing requirements for potential contracts as requested by NAVAIR acquisition managers.

(4) Evaluating contractor efforts for parts control on behalf of NAVAIR acquisition managers for major system and equipment acquisitions.

(5) Maintaining records on contract applications, use of standard parts, and cost avoidance when available, and including this information in the annual Standardization Accomplishment Report (Report Symbol DD-DR-E(A)758)(4120)) in compliance with reference (a). These records will be subject to review during periodic Inspector General inspections in accordance with reference (a).

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(6) Notifying MPCAG's of impending acquisitions which specify parts control requirements in order to allow MPCAG's to plan accordingly.

b. NAVAIR acquisition managers will be responsible for the following:

(1) Complying with the policy and procedures specified herein.

(2) Ensuring proper application of reference (b) requirements.

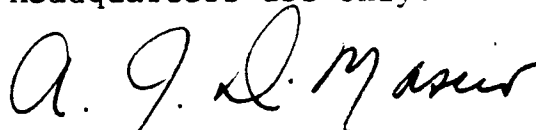
(3) Providing AIRTASK's, work unit assignments, and appropriate funding to support parts control functions.

(4) Forwarding of all procurement documents via AIR-5112 for review for parts control requirements.

c. NAVAIR field activities will be responsible for issuing internal directives which implement the policy and procedures herein. Draft directives must be coordinated with NAVAIRHO (AIR-5112) prior to issuance.

8. Action. NAVAIR personnel will adhere to the policy, procedures, and responsibilities stated herein.

9. Forms. DD Form 1423, Stock No. 0102-LF-014-2300, Contract Data Requirements List, may be obtained through normal supply channels in accordance with NAVSUP Publication 2002. DD Form 1423 is available in the NAVAIRHQ Forms Stock Room for Headquarters use only.



A. J. DiMASCIO
Deputy Commander

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SAMPLE CONTRACT REQUIREMENTS

(Similar requirements will be included in the next revision of MIL-D-8706 which will supersede these sample requirements.)

1. The following contract requirements may be used as a guide to apply parts control to a major system acquisition. For lesser systems or equipment acquisitions or unique contract applications these requirements may be tailored appropriately.

a. Parts Control. The contractor shall establish a parts control program in accordance with MIL-STD-965 and as stated below:

(1) Standard Parts. Standard parts are those identified or completely described by the government furnished baselines (GFB's) for mechanical and electrical/electronic parts. The contractor will be able to identify all GFB parts that have been selected for use on the system.

(2) Nonstandard Parts. Nonstandard parts are those parts not covered by the GFB's.

(3) Approved Parts. Approved parts consist of (a) standard parts (see paragraph 1a(1) above, (b) program parts selection list (PPSL) parts (see paragraph 1d below), and (c) nonstandard parts which have been approved for use on the system or equipment being acquired.

b. Parts Selection. If parts cannot be selected from the GFB's, then maximum use of military established reliability specifications, Joint Army Navy Testing Extra or Joint Army Navy Testing Extra precap visual examination semiconductor specifications, and MIL-M-38510 microcircuit specifications (class B) will be emphasized. All contractor and subcontractor part selections will be governed by the appropriate standardization and design requirements of MIL-BUL-147, MIL-STD-1515, MIL-STD-1599, MIL-STD-454, MIL-E-5400, MIL-W-5088, MIL-T-28800, and MIL-E-16400.

c. Review and Approval of Parts. All nonstandard parts which are required for use by the contractor or subcontractor must be screened by the appropriate MPCAG's and approved by NAVAIR or NAVAIR's designated agent prior to usage. Procedures for nonstandard part screening and approval requests will be in accordance with enclosure (3) and procedure I of MIL-STD-965.

d. PPSL. The MPCAG's shall maintain a PPSL consisting of all approved parts which have actually been selected for use on the system.

Enclosure (1)

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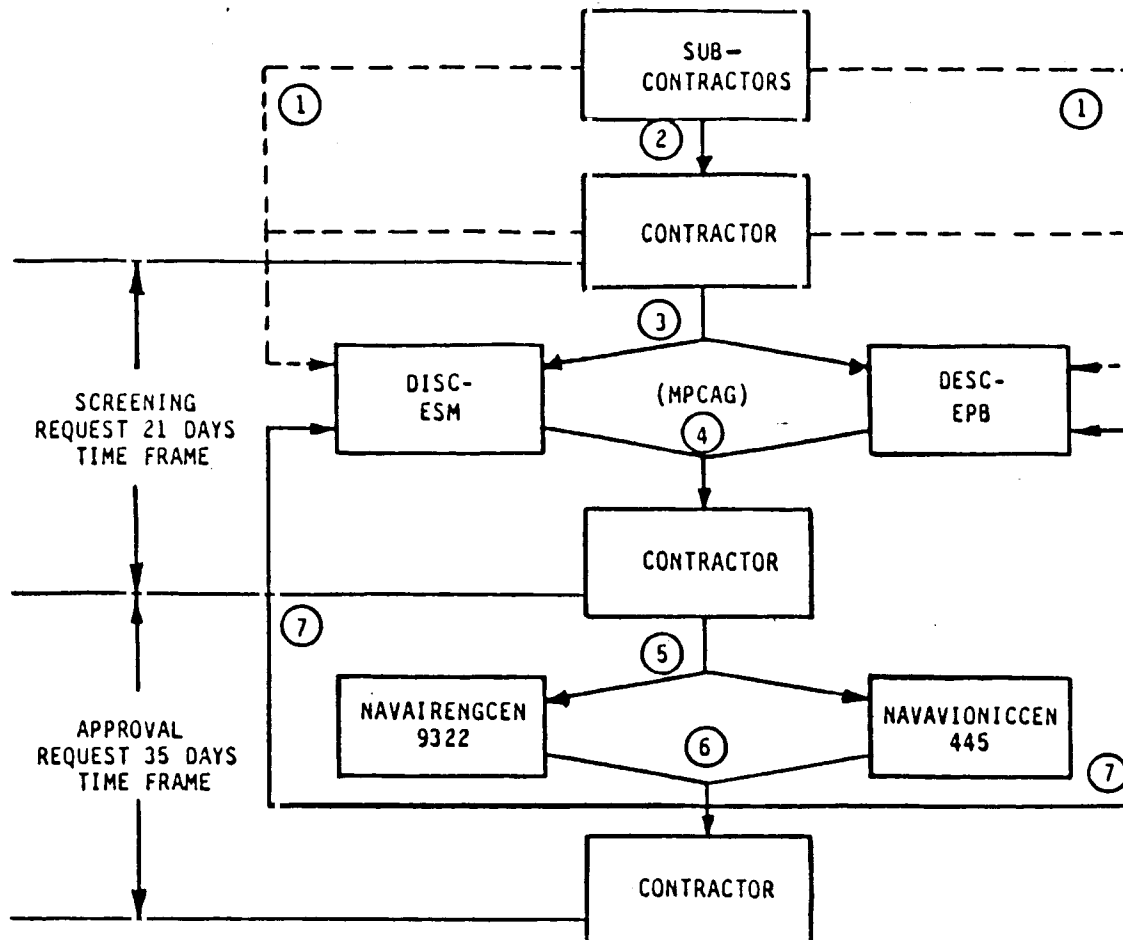
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CONTRACT DATA REQUIREMENTS LIST									
ATCH NR		TO EXHIBIT		CATEGORY		SYSTEM ITEM		CONTRACTOR	
TO CONTRACT PR									
1. SEQUENCE NUMBER	2. TITLE OR DESCRIPTION OF DATA	3. SUBTITLE	4. AUTHORITY (Data Item Number)	5. CONTRACT REFERENCE	6. TECHNICAL OFFICE	7. DATE OF SUBMISSION	8. DATE OF SUBSEQUENT SUPPLEMENT	9. FREQUENCY	10. DISTRIB. AND ADDRESSES
1	Nonstandard Parts Approval Requests			See 16	See 16	See 16	See 16	See 16	1/0
2	Proposed Additions to an Approved PPSL			See 16	See 16	See 16	See 16	See 16	1/0
3	DI-E-7028A			See 16	See 16	See 16	See 16	See 16	1/0
4	Nonstandard Parts Screening (MPCAC's)			See 16	See 16	See 16	See 16	See 16	1/0
5	Block 14 - *Electrical and Electronic Parts Approval Request			See 16	See 16	See 16	See 16	See 16	1/0
6	Block 10, 11, 12, 13 - Prior to Submittal of Parts Approval Request			See 16	See 16	See 16	See 16	See 16	1/0
7	Nonstandard Parts Approval Requests			See 16	See 16	See 16	See 16	See 16	1/0
8	Proposed Additions to an Approved PPSL			See 16	See 16	See 16	See 16	See 16	1/0
9	DI-E-7028A			See 16	See 16	See 16	See 16	See 16	1/0
10	Block 14 - Parts Approval			See 16	See 16	See 16	See 16	See 16	1/0
11	Block 14 - *Electrical and Electronic Parts **Mechanical Parts			See 16	See 16	See 16	See 16	See 16	1/0
12	Blocks 10, 11, 12, 13 - Prior to Use of Parts			See 16	See 16	See 16	See 16	See 16	1/0
13	Nonstandard Parts Approval Requests			See 16	See 16	See 16	See 16	See 16	1/0
14	Proposed Additions to an Approved PPSL			See 16	See 16	See 16	See 16	See 16	1/0
15	DI-E-7028A			See 16	See 16	See 16	See 16	See 16	1/0
16	Block 14 - Parts Approval			See 16	See 16	See 16	See 16	See 16	1/0
17	Block 14 - *Electrical and Electronic Parts **Mechanical Parts			See 16	See 16	See 16	See 16	See 16	1/0
18	Blocks 10, 11, 12, 13 - Prior to Use of Parts			See 16	See 16	See 16	See 16	See 16	1/0
19	Nonstandard Parts Approval Requests			See 16	See 16	See 16	See 16	See 16	1/0
20	Proposed Additions to an Approved PPSL			See 16	See 16	See 16	See 16	See 16	1/0
21	DI-E-7028A			See 16	See 16	See 16	See 16	See 16	1/0
22	Block 14 - Parts Approval			See 16	See 16	See 16	See 16	See 16	1/0
23	Block 14 - *Electrical and Electronic Parts **Mechanical Parts			See 16	See 16	See 16	See 16	See 16	1/0
24	Blocks 10, 11, 12, 13 - Prior to Use of Parts			See 16	See 16	See 16	See 16	See 16	1/0
25	Nonstandard Parts Approval Requests			See 16	See 16	See 16	See 16	See 16	1/0
26	Proposed Additions to an Approved PPSL			See 16	See 16	See 16	See 16	See 16	1/0
27	DI-E-7028A			See 16	See 16	See 16	See 16	See 16	1/0
28	Block 14 - Parts Approval			See 16	See 16	See 16	See 16	See 16	1/0
29	Block 14 - *Electrical and Electronic Parts **Mechanical Parts			See 16	See 16	See 16	See 16	See 16	1/0
30	Blocks 10, 11, 12, 13 - Prior to Use of Parts			See 16	See 16	See 16	See 16	See 16	1/0
31	Nonstandard Parts Approval Requests			See 16	See 16	See 16	See 16	See 16	1/0
32	Proposed Additions to an Approved PPSL			See 16	See 16	See 16	See 16	See 16	1/0
33	DI-E-7028A			See 16	See 16	See 16	See 16	See 16	1/0
34	Block 14 - Parts Approval			See 16	See 16	See 16	See 16	See 16	1/0
35	Block 14 - *Electrical and Electronic Parts **Mechanical Parts			See 16	See 16	See 16	See 16	See 16	1/0
36	Blocks 10, 11, 12, 13 - Prior to Use of Parts			See 16	See 16	See 16	See 16	See 16	1/0
37	Nonstandard Parts Approval Requests			See 16	See 16	See 16	See 16	See 16	1/0</

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Enclosure (2)

NONSTANDARD PART SCREENING AND APPROVAL CYCLE



- ① TECHNICAL TELEPHONE DISCUSSIONS
 - ② PART APPROVAL REQUEST
 - ③ PART SCREENING REQUEST
 - ④ RECOMMENDATION ON PART
 - ⑤ PART APPROVAL REQUEST
 - ⑥ PART APPROVAL/DISAPPROVAL DECISION
 - ⑦ COPY OF ⑥ ABOVE
- OPTIONAL
—— MANDATORY

MPCAG RECOMMENDATION	CONTRACTOR ACTION	
	AGREE	DISAGREE
1. MPCAG RECOMMENDS USE OF STANDARD PART TO REPLACE CONTRACTOR REQUESTED NONSTANDARD PART	END OF PROCESS (NOTIFY DISC OR DESC FOR LISTING IN PPSL)	SUBMIT PART REQUEST TO NAVAIRENGCEN OR NAVAVIONICEN FOR APPROVAL
2. MPCAG AGREES WITH CONTRACTOR REQUESTED PART	SUBMIT TO NAVAIRENGCEN OR NAVAVIONICEN FOR APPROVAL	
3. MPCAG RECOMMENDS USE OF ANOTHER NONSTANDARD PART OTHER THAN CONTRACTOR REQUESTED PART	SUBMIT TO NAVAIRENGCEN OR NAVAVIONICEN FOR APPROVAL	SUBMIT ORIGINAL PART REQUEST TO NAVAIRENGCEN OR NAVAVIONICEN FOR APPROVAL

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Enclosure (3)